

Michigan Department of Licensing and Regulatory Affairs
Dosimetry for Bone Densitometry X-ray Machines
Radiation Safety Section

Type of Machine	Policy	Rationale
Bone densitometry equipment	<p>A dosimeter is not required.</p> <p>Facilities using these units should ensure that the operator remains at least one meter from the bone densitometer and patient while x-rays are being produced.</p>	<p>Only low levels of scatter radiation are detectable in the vicinity of bone densitometer machines. Rule 222 requires that individuals likely to exceed 25% of the quarterly occupational limit shall be provided with dosimeters to monitor their radiation exposure. Our experience surveying these units and studies performed by other radiation protection agencies indicate that exposure to the operator is not likely to exceed 25% of the quarterly occupational limit.</p>